



## **Unity- Tireman Water Sampling Lead Analysis Report**

### **1. INTRODUCTION**

#### **1.1. GENERAL**

This report presents the results of our water sampling performed at the site of Unity Daycare, 7500 Tireman, Detroit, MI, on May 13th, 2016. The sample results taken in conjunction with this investigation are also presented on Appendix 1.

#### **1.2. OBJECTIVES AND SCOPE**

In general, the objectives of this investigation were to:

Accurately evaluate water outlets for lead above the EPA Maximum Contaminate Level (MCL).

#### **1.3. AUTHORIZATION**

Authorization was provided by phone for our Professional Services by Brenda Bradford on April 25<sup>th</sup>, 2016.

### **2. SITE INVESTIGATIONS**

#### **2.1. FIELD PROGRAM**

In order to sample and evaluate water, GSES took six samples, a First Draw sample and a Flush sample, from three different locations on the site.

The field portion of our investigation was under control and continual supervision of an experienced member of our field scientist staff.

#### **2.2 LABORATORY TESTING**

##### **2.2.1. General**

In accordance with ASTM D3559 and the U.S. Environmental Protection Agency guidelines for lead in drinking water at schools and child care facilities, we took two samples: first draw and flush, which is the required testing standard for drinking water lead contamination.

Results of the tests indicate that the water is below the threshold for lead



**GS GROUP LLC**  
Green S.P.A.C.E.S Protect Our Earth

contamination. A copy of the lab report and Chain of Custody is attached (Appendix 1).

### **3. DISCUSSIONS AND RECOMMENDATIONS**

#### **3.1. DISCUSSIONS OF FINDINGS**

The water results are above the threshold for lead contamination.

We appreciate the opportunity of providing this service for you. If you have any questions concerning this report or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

Michael Etters  
Field Scientist

Monica Starks, CIEC  
Principal

Council-certified Indoor Environmental  
Consultant Board-awarded by the  
American Council for Accredited  
Certification



Appendix 1, Lab Results, Chain of Custody

Laboratory ID: 0055

**National Testing Laboratories, Ltd**  
556 South Mansfield, Ypsilanti, MI, 48197-5166  
(440) 449-2525, Fax: (440) 449-8585

**ANALYTICAL REPORTS**

**SAMPLE CODE: 355034**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-01-KC-01-P  
**Source City:** Detroit  
**Source State:** MI

18700 Joy Rd.

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	5/12/2016 07:15		5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8



James Abston, Operations Manager

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556 South Mansfield, Ypsilanti, MI, 48197-5166  
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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355035**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-01-KC-01-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

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"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	5/12/2016 07:15		5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355036**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-01-WC-02-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Elters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

Any 'Level Detected' marked with an asterisk (\*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

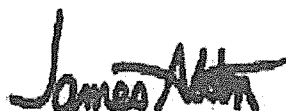
"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.002	1	5/12/2016 07:15		5/20/2016

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EC	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355037**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-01-WC-02-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

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"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.003	1	5/12/2016 07:15		5/20/2016

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EC	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355038**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-02-BBF-03-P  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

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"ND" This contaminant was not detected at or above our lower reporting limit (LRL)

"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	0.008	1	5/12/2016 07:15		5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8



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**ANALYTICAL REPORTS**

**SAMPLE CODE: 355039**

**5/25/2016**

**Customer:** G. S. Group  
Monica Starks  
17800 Woodward Ave  
#200  
Detroit, MI 48203

**Source:** Second Grace, DC-02-BBF-03-F  
**Source City:** Detroit  
**Source State:** MI

**Date/Time Received:** 5/16/2016 14:00

**Collected by:** M. Etters

The results herein conform to TNI and ISO/IEC 17025:2005 standards, where applicable, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

**Legend:**

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"NA" Not Analyzed

"Standard" This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.

"LRL" This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.

"DF" This column indicates the contaminant dilution factor.

**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
<b>Inorganic Analytes - Metals</b>										
1030	Lead	200.8	0.015	mg/L	0.001	ND	1	5/12/2016 07:15		5/20/2016

These test results may be used for compliance purpose as required.

Analyst	Tests
EC	200.8



James Abston, Operations Manager

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**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077210

Order Date: 05/09/2016

Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

355034



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3 00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KC-01-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Ettevs  
(Please Print)

Form Completed By: Michael Ettevs

Additional Comments:

3 locations sampled at this daycare. This is location #1,  
first draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 16 2016

Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing**  
**Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077210

Order Date: 05/09/2016

Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

355035



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3:00pm = 1500

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable): N/A

Sample ID or Source: DC-01-KC-01-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, MI.  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Etkus  
(Please Print)

Form Completed By: Michael Etkus

Additional Comments:

3 locations sampled at this daycare. This is location #1  
Flush sample.

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 16, 2016

Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing**  
Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

General Compliance

Order Number: 2077210

Order Date: 05/09/2016

Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF

355086



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3:00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable):

N/A

Sample ID or Source: DC-01-WC-02-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Eilers  
(Please Print)

Form Completed By: Michael Eilers

Additional Comments:

3 locations sampled at this daycare, this is location #2  
First draw.

For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 16 2016

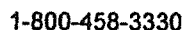
Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS



## TSR: EF

355037

**Sold To:**  
**G. S. Group**  
**Monica Starks**  
**17800 Woodward Ave**  
**Detroit**

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3:00pm = 15.00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable):

Sample ID or Source: DC-61-WC-02-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael E. Evans  
(Please Print)

Form Completed By: Michael E. Giers

**Additional Comments:**

Additional Comments: 3 locations sampled at this daycare, this is location #2.  
Flush sample.

**Lab Accounting Information:**

**Payment \$:** \_\_\_\_\_

Check #:

**Lab Comments/Special Instructions:**

**State Forms:**

**Lab Sample Information:**

Date Received: 1 MAY 16 2016

Time Received: 1/14/00

Received By: U. W. F.

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.



Laboratories, Ltd.

Quality Water Analysis

1-800-458-3330

## General Compliance

Order Number: 2077210

Order Date: 05/09/2016

Sample Number:

Product:

Lead Only

Sample Paid: No

Payment Method:

TSR: EF



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3 00pm = 15 00

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable):

W/H

Sample ID or Source: DC-02-BBF-03-P

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface

☐ Other:

City & State: Detroit, Mi.  
(If Different than Above)

Sample Collected By:

(Signature)

Sample Collected By:

(Please Print)

Form Completed By:

Michael Efferus

Additional Comments:

3 locations sampled at this daycare, this is location #3, first draw.

### For Laboratory Use ONLY

Lab Accounting Information:

Payment \$:

Check #:

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 16, 2016

Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable.

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS

**National Testing  
Laboratories, Ltd.**

Quality Water Analysis

1-800-458-3330

**General Compliance**

Order Number: 2077210

Order Date: 05/09/2016

Sample Number:

Product: Lead Only

Sample Paid: No

Payment Method:

TSR: EF



Sold To:

G. S. Group

Monica Starks

17800 Woodward Ave

Detroit

MI 48203

Date Sampled: 5/12/16

Time Sampled: 7:15 Please Use Military Time, e.g. 3.00pm = 1500

Check Time Zone: ☒ EST ☐ CST ☐ MST ☐ PST

Client Name: Second Grace

Phone Number: 313-867-0500

Fax Number:

PWS ID# (if applicable): N/A

Sample ID or Source: DC-02-BBF-03-F

Source Type: ☐ Spring ☐ Well ☒ Municipal ☐ Surface  
☐ Other

City & State: Detroit, MI  
(If Different than Above)

Sample Collected By: [Signature]  
(Signature)

Sample Collected By: Michael Ethers  
(Please Print)

Form Completed By: Michael Ethers

Additional Comments:

3 locations sampled at this daycare, this is location #3,  
flush sample

**For Laboratory Use ONLY**

Lab Accounting Information:

Payment \$: \_\_\_\_\_

Check #: \_\_\_\_\_

Lab Comments/Special Instructions:

State Forms:

Lab Sample Information:

Date Received: MAY 16 2016

Time Received: 14:00

Received By: [Signature]

☒ Sample receipt criteria checked & acceptable

☐ Deviations from acceptable sample receipt criteria noted on PSA form.

INCOMPLETE INFORMATION MAY DELAY ANALYSIS AND/OR INVALIDATE RESULTS